

MATERIAL SAFETY
DATA SHEET

3M
3M CENTER
ST. PAUL, MINNESOTA
55144-1000
612/733-1110

REC'D NOV 12 1987

Dpm 5535-3

Duns No: 00-617-3082

DIVISION: ADHESIVES, COATINGS AND SEALERS
TRADE NAME: SCOTCH-WELD (TM) Brand Structural Adhesive Primer
2174
3M I.D. NUMBER: 62-2174-8525-9

ISSUED: August 4, 1986
SUPERCEDES: April 1, 1983
DOCUMENT: 10-8562-0

=====			EXPOSURE	
1. INGREDIENTS	C.A.S. NO.	PERCENT	LIMITS	
=====				
acrylonitrile/butadiene polymer	N/A		N/D	5
phenolic resin	N/A		N/D	5
zinc oxide	1314-13-2		10 mg/m3	1
sulfur	N/A		N/D	5
TOTAL OF THE ABOVE	N/A	10.0	N/D	5
methyl ethyl ketone (MEK)	78-93-3	90.0	200 ppm	1

SOURCE OF EXPOSURE LIMIT DATA:

1. ACGIH Threshold Limit Values
2. Federal OSHA Permissible Exposure Limit
3. 3M Exposure Guidelines
4. Chemical Manufacturer Recommended Guidelines
5. None Established

ABBREVIATIONS:

N/D - Not Determined
N/A - Not Applicable

=====

2. PHYSICAL DATA

=====

BOILING POINT:	175F (MEK)
VAPOR PRESSURE:	80 mm @ 68F
VAPOR DENSITY:	2.5
EVAPORATION RATE (ETHER=1):	2.7
APPEARANCE AND ODOR:	Tan -- ketone odor.
SOLUBILITY IN WATER:	Insoluble
SP. GRAVITY (WATER=1):	0.83
PERCENT VOLATILE:	90.0%
VISCOSITY:	8-18 cps
pH:	N/A

2174

August 4, 1986

=====

3. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Closed Cup): 20F

FLAMMABLE LIMITS - LEL: 1.8 UEL: 11.5

EXTINGUISHING MEDIA:

CO2, foam, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES:

Fire fighters should be equipped with self-contained breathing apparatus when fighting fires involving this material.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Overheated, closed containers adjacent to fire could explode due to internal pressure buildup.

=====

4. REACTIVITY DATA

STABILITY: STABLE

INCOMPATIBILITY - MATERIALS TO AVOID:

N/A

HAZARDOUS POLYMERIZATION - MAY NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

Produces C, H, N, SO2 and H2S decomposition products when subjected to excessive heat or flame.

=====

5. ENVIRONMENTAL INFORMATION

SPILL RESPONSE:

Observe precautions in all sections. Extinguish all ignition sources in the immediate area and ventilate area. Collect spilled material and clean up residue using absorbent material as needed for cleanup procedure. Place in metal container (U.S. Dept. of Transportation approved container if waste is to be shipped).

RECOMMENDED DISPOSAL:

Commercial incineration with destruction and removal efficiency greater than 99.99% or reclamation is preferred. Otherwise dispose in accordance with local and current U.S. Environmental Protection Agency regulations.

U.S. EPA Hazardous Waste Number: D001 (Ignitable).

ENVIRONMENTAL DATA:

N/D

=====

6. SUGGESTED FIRST AID

=====

EYE CONTACT:

Flush eyes with plenty of water for at least 10 minutes. Call a physician.

SKIN CONTACT:

Wash thoroughly with soap and water.

INHALATION:

Remove individual to fresh air. Call a physician.

IF SWALLOWED:

Do not induce vomiting. Drink two glasses of milk or water. Call a physician.

=====

7. PRECAUTIONARY INFORMATION

=====

Avoid all sources of ignition. Use only in areas ventilated with enough air movement to prevent vapor buildup. Avoid prolonged breathing of vapors. Avoid eye contact; wear appropriate eye protection such as safety glasses or chemical goggles. Avoid skin contact; wear impervious gloves. Launder contaminated clothing before reuse. Keep container closed when not in use. Keep out of the reach of children.

=====

8. HEALTH HAZARD DATA

=====

EYE CONTACT: Liquid and vapor\$may cause eye irritation.

SKIN CONTACT: May cause skin irritation.

INHALATION: Vapor overexposure may cause respiratory system irritation. Methyl ethyl ketone (MEK) is a potential embryo/fetotoxin based on laboratory animal studies. There is no evidence of reproductive effects associated with human exposure to methyl ethyl ketone (MEK). Symptoms of overexposure may include headache, dizziness, weakness, fatigue, and on extreme overexposure, unconsciousness.

INGESTION: Solvent aspiration into the lungs may cause lung damage or, in the extreme, death. May cause digestive system irritation. Symptoms of ingestion may include nausea and vomiting.

=====

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.